

# Junction Creek Riparian Revitalization Project - GARSON



## SITE DETAILS

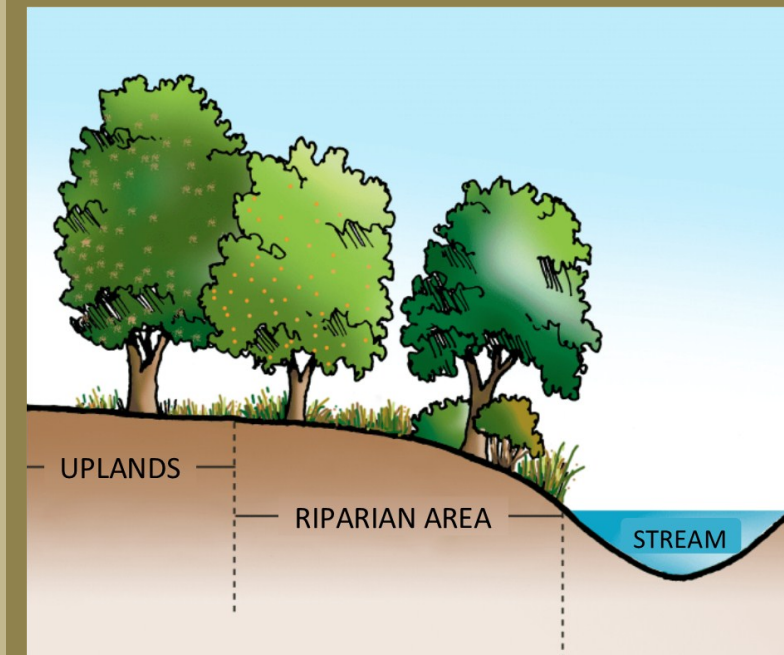
### Classification of Area: Sensitive Natural Feature<sup>1</sup>

Junction Creek and surrounding greenspaces connect natural heritage systems, providing important movement corridors for both plants and animals. Located by the headwaters of Junction Creek, the conditions of this site impact water quality and communities downstream.

<sup>1</sup>Junction Creek Subwatershed Study Figure B5

## Impaired Riparian Zone

Lacking vegetation - Invasive Species - Erosion  
Poor Aquatic & Terrestrial Habitat



Illustrator: Gary Bentrup, USDA National Agroforestry Center 2015

## What is a 'Riparian Zone'?

The **riparian zone** is an area of transition between the land and stream or lake. It acts as a buffer to help protect the water from adjacent land use; filtering nonpoint source pollutants, absorbing excess water and nutrients, and providing bank stabilization. A healthy riparian zone also provides natural resilience to flooding and climate change.

## Project Goal:

Work in collaboration with local experts and the community to revitalize riparian habitat along Junction Creek.

## Project Activities

- ◆ **Remove invasive species** - for native plants to thrive
- ◆ **Plant Willow/Dogwood whips along vulnerable shoreline** - to reduce bank erosion
- ◆ **Plant native trees & shrubs** - to build riparian buffer and stabilize the shoreline
- ◆ **Plant native wildflowers** - to enhance pollinator habitat and beautify the area
- ◆ **Install an educational piece** - to raise awareness and engage the public in creek stewardship

## Project Benefits to the Watershed and Community

Restoring the riparian habitat will have various ongoing benefits to both the ecological and economic health of Greater Sudbury. The project will improve the following:

- **Stream health** - filter runoff and stabilizing creek banks.
- **Biodiversity and pollinators** - grow habitat and food for terrestrial and aquatic wildlife.
- **Habitats** - create new habitat features and cooler water temperatures for Brook Trout.
- **Flood management** - increase attenuation of precipitation.
- **Climate change resilience** - increase carbon sequestration.
- **Community health** - improve water quality and encourage trail usage.
- **Beautify the neighbourhood** - enhance green spaces.